

What Is Claimed Is:

5.6 A3} 1. A composite system including a first apparatus having convertible options to function as a printer, a reader, or printer and a reader, and an information processing apparatus to which print software and read software are installed, said system comprising:

a detection device for detecting the option, selected or installed, on the first apparatus; and

10 launching means for automatically launching either the print software or the read software installed in the information processing apparatus depending upon the selected or installed option detected by said detection device.

15 2. The composite system according to claim 1, wherein, when said detection device detects that the selected or installed option is the reader function, said launching means launches the read software.

20 3. The composite system according to claim 2, wherein said detection device is provided in the first apparatus, and, when said detection device detects that the selected or installed option is the reader function, 25 said detection device outputs a first signal indicative

of attachment of the reader cartridge to said launching means.

4. The composite system according to claim 1,
5 wherein said launching means is provided in the
information processing apparatus.

5. The composite system according to claim 1,
wherein, when said detection device detects that the
10 selected or installed option is the printer function,
said launching means launches the print software.

6. The composite system according to claim 5,
wherein said detection device is provided in the first
15 apparatus, and, when said detection device detects that
the selected or installed option is the printer function,
said detection device outputs a second signal indicative
of the printer function to said launching means.

7. The composite system according to claim 1,
20 wherein the option is installed by mounting a print
cartridge or a reader cartridge to a carriage of said
first apparatus.

8. The composite system according to claim 7,
wherein the print cartridge is an ink-jet print
cartridge.

5 9. The composite system according to claim 7,
wherein the reader cartridge uses LEDs as a light source.

10 10. The composite system according to claim 9,
wherein color separation method for reading a color
image adopted by the reader cartridge is frame
sequential method for reading the color image as
sequentially turning on each LED.

15 11. The composite system according to claim 7,
wherein the first apparatus is a printer.

12. The composite system according to claim 7,
wherein the first apparatus is a scanner.

20 13. The composite system according to claim 1,
wherein said first apparatus has both a printer
mechanism and a reader mechanism, and the option is
selected between said printer mechanism and said reader
mechanism.

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14. An apparatus, having convertible options to
function as a printer, a reader, or printer and a reader,
which realizes a composite system in combination with an
information processing apparatus to which print software
5 and read software are installed, said apparatus
comprising:

a detection device for detecting the option,
selected or installed, on the first apparatus; and

output means for outputting a signal indicative of
10 the selected or installed option detected by said
detection device.

15 15. The apparatus according to claim 14, wherein,
when said detection device detects that the selected or
installed option is the reader function, said output
means outputs a first signal indicative of the reader
function being selected or installed.

20 16. The apparatus according to claim 14, wherein,
when said detection device detects that the selected or
installed option is the printer function to the carriage,
said output means output a second signal indicative of
the printer function being selected or installed.

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17. The apparatus according to claim 14, wherein the option is installed by mounting a print cartridge or a reader cartridge to a carriage of said apparatus.

5 18. The apparatus according to claim 17, wherein the print cartridge is an ink-jet print cartridge.

10 19. The apparatus according to claim 17, wherein the reader cartridge uses LEDs as a light source.

15 20. The apparatus according to claim 18, wherein color separation method for reading a color image adopted by the reader cartridge is frame sequential method for reading the color image as sequentially turning on each LED.

21. The apparatus according to claim 17, wherein the apparatus is a printer.

20 22. The apparatus according to claim 17, wherein the apparatus is a scanner.

25 23. The apparatus according to claim 14, wherein said apparatus has both a printer mechanism and a reader mechanism, and the option is selected between said printer mechanism and said reader mechanism.

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24. An information processing apparatus to which
print software and read software are installed, which
realizes a composite system in combination with a first
5 apparatus, having convertible options to function as a
printer, a reader, or printer and a reader, said
apparatus comprising:

launching means for automatically launching either
the print software or the read software installed in the
10 information processing apparatus depending upon the
option selected or installed on said first apparatus.

25. The composite system according to claim 24,
wherein, when the reader function is selected or
15 installed, said launching means launches the read
software.

26. The composite system according to claim 24,
wherein, when the printer function is selected or
20 installed, said launching means launches the print
software.

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27. A function execution method used in a
composite system including a first apparatus having
25 convertible options to function as a printer, a reader,
or printer and a reader, and an information processing

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apparatus to which print software and read software are installed, said method characterized by comprising:

a detection step of detecting the option, selected or installed, on the first apparatus; and

5 a launching step of automatically launching either the print software or the read software installed in the information processing apparatus depending upon the selected or installed option detected at said detection step.

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28. The method according to claim 27, wherein, when it is detected at said detection step that the selected or installed option is the reader function, the read software is launched at said launching step.

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29. The method according to claim 28, further comprising an output step of outputting a first signal indicative of the reader function being selected or installed when it is detected at said detection step
20 that the selected or installed option is the reader function.

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25 30. The method according to claim 27, wherein, when it is detected at said detection step that the selected or installed option is the printer function, the print software is launched at said launching step.

31. The method according to claim 30, further
comprising an output step of outputting a second signal
indicative of the printer function being selected or
5 installed when it is detected at said detection step
that the selected or installed option is the printer
function.

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